

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, and

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled
GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
the specification of which was filed on June 17, 1999 as U.S. Application No. **09/335,409**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge my duty to disclose all information which is known by me to be material to the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any PCT international application(s) designating at least one country other than the United States listed below and have also listed below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States for the same subject matter and having a filing date before that of the application the priority of which is claimed for that subject matter:

None

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

<u>Application No.</u>	<u>Filing Date</u>
60/155,183	June 18, 1998
60/101,631	September 24, 1998
60/118,906	February 5, 1999

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the

claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose all information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application:

None

I hereby appoint the attorneys and agents associated with Customer No. 22847, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications to Larry W. Stults, Novartis Corporation, Patent Department, P.O. Box 12257, Research Triangle Park, NC 27709-2257.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FIRST JOINT INVENTOR:

Full name : Thomas Schupp

Signature : Thomas Schupp

Date : October 22, 1999
(MM/DD/YY)

Citizenship : Switzerland

Residence : Mohlin, Switzerland

P.O. Address : Froschmattweg 5
Mohlin 4313
Switzerland

SECOND JOINT INVENTOR:

Full name : James Madison Ligon

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : United States of America

Residence : Apex, North Carolina

P.O. Address : 3616 South Point Drive
Apex, North Carolina 27502

THIRD JOINT INVENTOR:

Full name : Istvan Molnar

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Hungary

Residence : Durham, North Carolina
P.O. Address : 905 Starling Lane
Durham, North Carolina 27713

FOURTH JOINT INVENTOR:

Full name : **Ross Zirkle**

Signature :

Date :

(MM/DD/YY)

Citizenship : United States of America
Residence : Raleigh, North Carolina
P.O. Address : 6532 Wynbrook Way
Raleigh, North Carolina 27612

FIFTH JOINT INVENTOR:

Full name : **Devon Dawn Cyr**

Signature :

Date :

(MM/DD/YY)

Citizenship : United States of America
Residence : Fuquay-Varina, North Carolina
P.O. Address : 413 Vuncannon Drive
Fuquay-Varina, North Carolina 27526

SIXTH JOINT INVENTOR:

Full name : **Jörn Görlach**

Signature :

Date

(MM/DD/YY)

Citizenship : Germany
Residence : Durham, North Carolina
P.O. Address : 3907 King Charles Road
Durham, North Carolina 27707

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,
and

I believe I am an original, first and joint inventor of the subject matter which is claimed
and for which a patent is sought on the invention entitled

GENES FOR THE BIOSYNTHESIS OF EPOTHILONES

the specification of which was filed on June 17, 1999 as U.S. Application No. **09/335,409**.

I hereby state that I have reviewed and understand the contents of the above identified
specification, including the claims.

I acknowledge my duty to disclose all information which is known by me to be material to
the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign
application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any
PCT international application(s) designating at least one country other than the United States
listed below and have also listed below any foreign application(s) for patent or inventor's
certificate or any PCT international application(s) designating at least one country other than the
United States for the same subject matter and having a filing date before that of the application
the priority of which is claimed for that subject matter:

None

I hereby claim the benefit under 35 USC §119(e) of any United States provisional
application(s) listed below:

Application No.

Filing Date

60/155,183

June 18, 1998

60/101,631

September 24, 1998

60/118,906

February 5, 1999

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose all information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application:

None

I hereby appoint the attorneys and agents associated with Customer No. 22847, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications to Larry W. Stults, Novartis Corporation, Patent Department, P.O. Box 12257, Research Triangle Park, NC 27709-2257.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FIRST JOINT INVENTOR:

Full name : **Thomas Schupp**

Signature : _____

Date : _____
(MM/DD/YY)

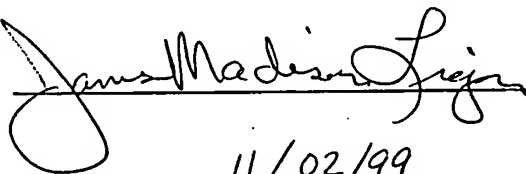
Citizenship : Switzerland

Residence : Mohlin, Switzerland

P.O. Address : Froschmattweg 5
Mohlin 4313
Switzerland

SECOND JOINT INVENTOR:

Full name : **James Madison Ligon**

Signature :  _____

Date : 11/02/99
(MM/DD/YY)

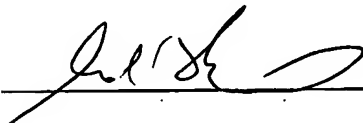
Citizenship : United States of America

Residence : Apex, North Carolina

P.O. Address : 3616 South Point Drive
Apex, North Carolina 27502

THIRD JOINT INVENTOR:

Full name : **Istvan Molnar**

Signature :  _____

Date : 11/04/99
(MM/DD/YY)


Citizenship : Hungary

Residence : Durham, North Carolina

P.O. Address : 905 Starling Lane
Durham, North Carolina 27713

FOURTH JOINT INVENTOR:

Full name : **Ross Zirkle**

Signature : 

Date : 11/9/99
(MM/DD/YY)

Citizenship : United States of America

Residence : Raleigh, North Carolina

P.O. Address : 6532 Wynbrook Way
Raleigh, North Carolina 27612

FIFTH JOINT INVENTOR:

Full name : **Devon Dawn Cyr**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : United States of America

Residence : Fuquay-Varina, North Carolina

P.O. Address : 413 Vuncannon Drive
Fuquay-Varina, North Carolina 27526

SIXTH JOINT INVENTOR:

Full name : **Jörn Görlach**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Germany

Residence : Durham, North Carolina

P.O. Address : 3907 King Charles Road
Durham, North Carolina 27707

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

11/11/2011 11:11:11 AM

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,
and

I believe I am an original, first and joint inventor of the subject matter which is claimed
and for which a patent is sought on the invention entitled

GENES FOR THE BIOSYNTHESIS OF EPOTHILONES

the specification of which was filed on June 17, 1999 as U.S. Application No. 09/335,409.

I hereby state that I have reviewed and understand the contents of the above identified
specification, including the claims.

I acknowledge my duty to disclose all information which is known by me to be material to
the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign
application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any
PCT international application(s) designating at least one country other than the United States
listed below and have also listed below any foreign application(s) for patent or inventor's
certificate or any PCT international application(s) designating at least one country other than the
United States for the same subject matter and having a filing date before that of the application
the priority of which is claimed for that subject matter:

None

I hereby claim the benefit under 35 USC §119(e) of any United States provisional
application(s) listed below:

Application No.

Filing Date

60/155,183

June 18, 1998

60/101,631

September 24, 1998

60/118,906

February 5, 1999

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose all information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application:

None

I hereby appoint the attorneys and agents associated with Customer No. 22847, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications to Larry W. Stults, Novartis Corporation, Patent Department, P.O. Box 12257, Research Triangle Park, NC 27709-2257.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FIRST JOINT INVENTOR:

Full name : **Thomas Schupp**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Switzerland

Residence : Mohlin, Switzerland

P.O. Address : Froschmattweg 5
Mohlin 4313
Switzerland

SECOND JOINT INVENTOR:

Full name : **James Madison Ligon**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : United States of America

Residence : Apex, North Carolina

P.O. Address : 3616 South Point Drive
Apex, North Carolina 27502

THIRD JOINT INVENTOR:

Full name : **Istvan Molnar**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Hungary

Residence : Durham, North Carolina

P.O. Address : 905 Starling Lane
Durham, North Carolina 27713

FOURTH JOINT INVENTOR:

Full name : **Ross Zirkle**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : United States of America

Residence : Raleigh, North Carolina

P.O. Address : 6532 Wynbrook Way
Raleigh, North Carolina 27612

FIFTH JOINT INVENTOR:

Full name : **Devon Dawn Cyr**

Signature : Devon D. Cyr

Date : 10/26/99
(MM/DD/YY)

Citizenship : United States of America

Residence : Fuquay-Varina, North Carolina

P.O. Address : 413 Vuncannon Drive
Fuquay-Varina, North Carolina 27526

SIXTH JOINT INVENTOR:

Full name : **Jörn Görlach**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Germany

Residence : Durham, North Carolina

P.O. Address : 3907 King Charles Road
Durham, North Carolina 27707

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,
and

I believe I am an original, first and joint inventor of the subject matter which is claimed
and for which a patent is sought on the invention entitled

GENES FOR THE BIOSYNTHESIS OF EPOTHILONES

the specification of which was filed on June 17, 1999 as U.S. Application No. 09/335,409.

I hereby state that I have reviewed and understand the contents of the above identified
specification, including the claims.

I acknowledge my duty to disclose all information which is known by me to be material to
the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign
application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any
PCT international application(s) designating at least one country other than the United States
listed below and have also listed below any foreign application(s) for patent or inventor's
certificate or any PCT international application(s) designating at least one country other than the
United States for the same subject matter and having a filing date before that of the application
the priority of which is claimed for that subject matter:

None

I hereby claim the benefit under 35 USC §119(e) of any United States provisional
application(s) listed below:

Application No.

Filing Date

60/155,183

June 18, 1998

60/101,631

September 24, 1998

60/118,906

February 5, 1999

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose all information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application:

None

I hereby appoint the attorneys and agents associated with Customer No. 22847, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications to Larry W. Stults, Novartis Corporation, Patent Department, P.O. Box 12257, Research Triangle Park, NC 27709-2257.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FIRST JOINT INVENTOR:

Full name : **Thomas Schupp**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Switzerland

Residence : Mohlin, Switzerland

P.O. Address : Froschmattweg 5
Mohlin 4313
Switzerland

SECOND JOINT INVENTOR:

Full name : **James Madison Ligon**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : United States of America

Residence : Apex, North Carolina

P.O. Address : 3616 South Point Drive
Apex, North Carolina 27502

THIRD JOINT INVENTOR:

Full name : **Istvan Molnar**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : Hungary

Residence : Durham, North Carolina

P.O. Address : 905 Starling Lane
Durham, North Carolina 27713

FOURTH JOINT INVENTOR:

Full name : **Ross Zirkle**

Signature : _____

Date : _____
(MM/DD/YY)

Citizenship : United States of America

Residence : Raleigh, North Carolina

P.O. Address : 6532 Wynbrook Way
Raleigh, North Carolina 27612

FIFTH JOINT INVENTOR:

Full name : **Devon Dawn Cyr**

Signature : _____

Date : _____
(MM/DD/YY)

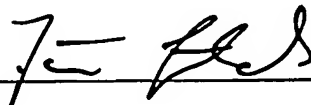
Citizenship : United States of America

Residence : Fuquay-Varina, North Carolina

P.O. Address : 413 Vuncannon Drive
Fuquay-Varina, North Carolina 27526

SIXTH JOINT INVENTOR:

Full name : **Jörn Görlach**

Signature :  _____

Date : 10/24/99
(MM/DD/YY)

Citizenship : Germany

Residence : Durham, North Carolina

P.O. Address : 3907 King Charles Road
Durham, North Carolina 27707

IMPORTANT: Before this declaration is signed, the patent application (the specification, the claims and this declaration) must be read and understood by each person signing it, and no changes may be made in the application after this declaration has been signed.

Patent Office